

MODIS sensor Working Group (MsWG) Meeting Summary

February 13, 2008

Attendance: Vince Salomonson, Chris Moeller, Gerhard Meister, Gene Eplee, Gary Toller, James Kuyper, Zhengming Wan, Roy Yi, Vincent Chiang, Brian Wenny

Scheduled Agenda

Item 1: Recent L1B LUT delivery

- Terra forward update – 5.0.40.1 (02/05/08) – m1/RVS
- Aqua forward update – 5.0.35.1 (02/07/08) – m1/RVS/QA

Item 2: Instrument status

- Terra and Aqua MODIS are in nominal operations.
- Aqua SSR Anomaly Update (anomaly on Dec 2, 2007) – Temporary fix is in place and is working well so FOT does not have plan to implement any more permanent fix in the near future.

Item 3: MCST recent activities

- Thanks to all for attending the MODIS Calibration Workshop on Jan 30.
- Aqua QA Update: As of granule 2007359.1020 Aqua Band 29 Detector 8 is now classified as Noisy in the QA LUT. The detector began to show increased NEdT during the fall of 2007 with minimal fluctuations of b1. In granule 2007359.1020, over the south Pacific, a jump in NEdT (doubled in granule average value) and fluctuations in b1 on a scan-by-scan basis were observed. On a scan-by-scan basis, for NEdT nearly 30% of scans were out of specification on a consistent basis.
- Aqua Band 29 Detector 2 displayed increased noise after passage through the South Atlantic Anomaly in granule 2008038.1750. After several days the b1 and NEdT have both stabilized at new values. At this time it does not appear that a QA status change is needed.
- MCST is preparing a special Terra LUT delivery for the Ocean Group.

Item 4: Around the Table

- Chris: Discussed recent work at Univ. Wisconsin (with Dave Tobin) on an AIRS & Aqua-MODIS intercomparison. The procedure has been automated and intercomparisons for one day per month since launch have been generated. Still assessing the results but one puzzling issue is a seasonal dependence to the AIRS-MODIS difference for Band 35. Band 36 has similar behavior but of a much smaller magnitude. Further data processing is underway and he will report in future a MsWG analysis results from this effort.

Next Meeting: ~Feb. 27, 2007